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Government of India
Ministry of Railways
Research Designs & Standards Organisation

Manak Nagar, Ludhrow-11
Dated: 25 July, 1981

MODIFICATION SHEET No. RDSO/WAM4/116

Modification to ELGI oil pressure switch (QPH)
diaphragm.

1.0 OBJECT

1.1 Failure of ELGI pressure switches have been reported caused by cracking of diaphragm which may be due to the diaphragm not being of the proper quality of rubber in regard to oil resistance and mechanical strength. The object of this MS is to give specifications of the diaphragm to be procured for QPH.

2.0 WORK TO BE DONE

- 2.1 Procure the diaphragm conforming to specification No. RDSO/MEC/MP-118/1981 and drawing No. RDSO.EL.4.PH.007.
- 2.2 Ensure that modifications have been carried out as per MS. RDSO/WAM4/77 and 98 issued in May, 1980.
- 2.3 Replace the existing diaphragm with new diaphragm. Check for normal operation.

3. REFERENCE

NIL

4. APPLICATION

All locos fitted with ELGI oil pressure switches type PSI/2P for QPH application.

5. MATERIAL REQUIRED:

One diaphragm for each switch.

6. MATERIAL RENDERED SURPLUS:

One diaphragm.

7. DRAWING No.:

31.57 RDSO.EL.4.PH.007 (A1) This superseded drawing is retained under the MS No. RDSO/WAM4/23-dtd. 2.3.1.1981.

8. AGENCIES FOR MODIFICATION:

- i) Railways - Electric Loco Sheds and POH Shops for locos in service.
- ii) CLW - For locos under production.

9. DISTRIBUTION:

As per mailing list.

- DA: 1) SK.EL No.RDSO.EL.4.PH.007 (Alt.1)
2) Specification.

J.V.S. Sastri
(T V S Sastri)
for Director General (Elec)

NOTE

1. THE DIAPHRAGM SHALL BE MADE OF POLYCHLOROPRENE
2. REFER SPEC. NO. RDSO/M&C/RP-118/1981 FOR MATERIAL SPEC., INSPECTION ACCEPTANCE CRITERIA, MARKING AND PACKING.
3. ALL UNSPECIFIED TOLERANCES, MEDIUM IS 2 TO 2"
4. APPLICATION: MAIN LINE MOTIVES.
5. ALL DIMENSIONS ARE IN MM.
6. REFER TO LATEST ISSUES OF DRAWINGS AND SPECIFICATIONS.

REVISIONS TO BE MADE BY THE DESIGNER AND THE
 DESIGNER'S NAME AND SIGNATURE TO BE ENTERED IN THE
 SPACE PROVIDED BELOW.

DATE OF REVISION: _____

REVISION NO. _____

REVISION BY _____

REVISION FOR _____

REVISION NO. _____

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